

EMERGENCY GENERATORS
Requirements for Permitting and Installation
(OPTIONAL STANDBY FOR RESIDENTIAL USE)
03/27/06

Emergency generators must be submitted as a package with the following items:

1. Electrical Permit Application (\$50.00 deposit required at time of submittal)
2. Two (2) copies of the Electrical Riser Diagram
 - a. Riser diagram should show entire service, including transfer switch, all conduit and wire sizes, and overcurrent protection of generator and equipment.
3. Two (2) copies of the Generator Specifications (usually supplied by manufacturer). Specifications must provide length, width and height of generator to be used.
4. Two (2) copies of Site Plan (survey) highlighting the location of the generator
 - a. Show exact location of proposed generator (min. 5' from building openings)
 - b. Show exact location of fuel tank (if applicable)
 - c. Provide the dimensions of the distances between the proposed generator/fuel tank and the side and rear property lines (Note: set backs)
 - d. Verification that generator will be installed at current base flood elevation or above. FBC 423.4.2 FEMA

Note: Mechanical equipment and generators cannot be closer than 5' to the property lines and 10' to the water. Equipment can be no larger than 40 sq. ft. in area and 5' in height.
5. Building Permit Application required if a slab is to be poured
 - a. If slab is existing or "pre fab" a Building Permit is not required.
 - b. Slab must be a minimum of 4" thick and comply with standards set forth by FBC 1820.5
 - c. Specifications for generator anchorage for wind loads. FBC 1612.1.2
 - d. NOTE: It is the responsibility of the contractor to verify that the soil bearing capacity will support the slab and generator.
6. If natural or LP gas is used, a Plumbing Permit is required from a licensed contractor.
 - a. Plan view with Isometric Riser Diagram is required. Show total length and type of piping and chart used to size gas system. Show generator BTU rating.
7. If a non-self contained diesel fuel generator is proposed, a mechanical permit is required. In addition, plan showing diesel fuel holding tanks must be approved by DPEP.

Note: Portable generators will be reviewed on a case-by-case basis.